

CLAIMS

1. A hermetic compressor comprising:

a hermetic container,

5 a suction pipe including a large diameter part having an opening and a small diameter part connected to an external refrigerating system, the suction pipe being fixed with the hermetic container, and the large diameter part opening to an inside of the hermetic container,

a compressing mechanism being accommodated inside the hermetic
10 container, and

a suction muffler for forming a muffling space communicated with the compressing mechanism, the suction muffler being provided with an inlet opening, the inlet opening communicating the muffling space with an inside space of the hermetic container and closely facing the opening of the large
15 diameter part of the suction pipe.

2. The hermetic compressor according to claim 1,

wherein an opening area of the large diameter part is larger than an opening area of the inlet opening.

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3. The hermetic compressor according to claim 1,

wherein the inlet opening is protruded from an outer surface of the suction muffler.

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4. The hermetic compressor according to claim 1,

wherein a distance from the opening of the large diameter part to the small diameter part is larger than an internal diameter of the large diameter

part.

5. The hermetic compressor according to claim 1,
wherein the compressing mechanism includes a cylinder and a piston
5 reciprocating inside the cylinder.

6. The hermetic compressor according to claim 5,
wherein volume of the large diameter part is at least 0.1 times and at
most 0.6 times of volume in the cylinder from a bottom dead center of the piston
10 to a top dead center of the piston.

7. The hermetic compressor according to claim 1,
wherein a distance between the inlet opening and the opening of the
large diameter part is at least 0.3 times and at most 1.0 times of a diameter of
15 the inlet opening.